

1/9

		EcoRI-KOZAK												0	
		g aat tcc acc													
		Asn Ser Thr													
→ SEQ ID NO: 3															
atg gta agc gct att gtt		tta tat gtg ctt ttg gcg gcg gcg gcg cat													48
Met Val Ser Ala Ile Val		Leu Tyr Val Leu Leu Ala Ala Ala Ala His													
→ SEQ ID NO: 4															
64F1/ SEQ ID NO: 1															
tct gcc ttt gcg gcg gag cac tgc aac gcg caa atg aag acg ggt ccg														96	
Ser Ala Phe Ala Ala Glu His Cys Asn Ala Gln Met Lys Thr Gly Pro															
tac aag att aaa aac ttg gac att acc ccg ccc aag gaa acg ctg caa														144	
Tyr Lys Ile Lys Asn Leu Asp Ile Thr Pro Pro Lys Glu Thr Leu Gln															
aag gac gtg gaa atc acc atc gtg gag acg gac tac aac gaa aac gtg														192	
Lys Asp Val Glu Ile Thr Ile Val Glu Thr Asp Tyr Asn Glu Asn Val															
att atc ggc tac aag ggg tac tac cag gcg tat gcg tac aac ggc ggc														240	
Ile Ile Gly Tyr Lys Gly Tyr Tyr Gln Ala Tyr Ala Tyr Asn Gly Gly															
tcg ctg gat ccc aac aca cgc gtc gaa gaa acc atg aaa acg ctg aat														288	
Ser Leu Asp Pro Asn Thr Arg Val Glu Glu Thr Met Lys Thr Leu Asn															
gtg ggc aaa gag gat ttg ctt atg tgg agc atc agg cag cag tgc gag														336	
Val Gly Lys Glu Asp Leu Leu Met Trp Ser Ile Arg Gln Gln Cys Glu															
gtg ggc gaa gag ctg atc gac cgt tgg ggc agt gac agc gac gac tgt														384	
Val Gly Glu Glu Leu Ile Asp Arg Trp Gly Ser Asp Ser Asp Asp Cys															
ttt cgc gac aac gag ggc cgc ggc cag tgg gtc aaa ggc aaa gag ttg														432	
Phe Arg Asp Asn Glu Gly Arg Gly Gln Trp Val Lys Gly Lys Glu Leu															
gtg aag cgg cag aat aac aat cac ttt gcg cac cac acg tgc aac aaa														480	
Val Lys Arg Gln Asn Asn Asn His Phe Ala His His Thr Cys Asn Lys															
tcg tgg cga tgc ggc att tcc act tcg aaa atg tac agc agg ctc gag														528	
Ser Trp Arg Cys Gly Ile Ser Thr Ser Lys Met Tyr Ser Arg Leu Glu															
tgc cag gac gac acg gac gag tgc cag gta tac att ttg gac gct gag														576	
Cys Gln Asp Asp Thr Asp Glu Cys Gln Val Tyr Ile Leu Asp Ala Glu															
ggc aac ccc atc aac gtg acc gtg gac act gtg ctt cat cga gac ggc														624	
Gly Asn Pro Ile Asn Val Thr Val Asp Thr Val Leu His Arg Asp Gly															
gtg agt atg att ctc aaa caa aag tct acg ttc acc acg cgc caa ata														672	
Val Ser Met Ile Leu Lys Gln Lys Ser Thr Phe Thr Thr Arg Gln Ile															
aaa gct gcg tgt ctg ctc att aaa gat gac aaa aat aac ccc gag tcg														720	
Lys Ala Ala Cys Leu Leu Ile Lys Asp Asp Lys Asn Asn Pro Glu Ser															
gtg aca cgc gaa cac tgt ttg att gac aat gat ata tat gat ctt tct														768	
Val Thr Arg Glu His Cys Leu Ile Asp Asn Asp Ile Tyr Asp Leu Ser															
aaa aac acg tgg aac tgc aag ttt aac aga tgc att aaa cgc aaa gtc														816	
Lys Asn Thr Trp Asn Cys Lys Phe Asn Arg Cys Ile Lys Arg Lys Val															

FIG. 1

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gag cac cga gtc aag aag cgg ccg ccc act tgg cgc cac aac gtt aga	864
Glu His Arg Val Lys Lys Arg Pro Pro Thr Trp Arg His Asn Val Arg	
gcc aag tac aca gag gga gac act gcc acc aaa ggc gac ctg atg cat	912
Ala Lys Tyr Thr Glu Gly Asp Thr Ala Thr Lys Gly Asp Leu Met His	
att caa gag gag ctg atg tac gaa aac gat ttg ctg aaa atg aac att	960
Ile Gln Glu Glu Leu Met Tyr Glu Asn Asp Leu Leu Lys Met Asn Ile	
gag ctg atg cat gcg cac atc aac aag cta aac aat atg ctg cac gac	1008
Glu Leu Met His Ala His Ile Asn Lys Leu Asn Asn Met Leu His Asp	
ctg ata gtc tcc gtg gcc aag gtg gac gag cgt ttg att ggc aat ctc	1056
Leu Ile Val Ser Val Ala Lys Val Asp Glu Arg Leu Ile Gly Asn Leu	
atg aac aac tct gtt tct tca aca ttt ttg tgc gac gac acg ttt ttg	1104
Met Asn Asn Ser Val Ser Ser Thr Phe Leu Ser Asp Asp Thr Phe Leu	
ctg atg ccg tgc acc aat ccg ccg gca cac acc agt aat tgc tac aac	1152
Leu Met Pro Cys Thr Asn Pro Pro Ala His Thr Ser Asn Cys Tyr Asn	
aac agc atc tac aaa gaa ggg cgt tgg gtg gcc aac acg gac tgc tgc	1200
Asn Ser Ile Tyr Lys Glu Gly Arg Trp Val Ala Asn Thr Asp Ser Ser	
caa tgc ata gat ttt agc aac tac aag gaa cta gca att gac gac gac	1248
Gln Cys Ile Asp Phe Ser Asn Tyr Lys Glu Leu Ala Ile Asp Asp Asp	
gtc gag ttt tgg atc ccg acc atc ggc aac acg acc tat cac gac agt	1296
Val Glu Phe Trp Ile Pro Thr Ile Gly Asn Thr Thr Tyr His Asp Ser	
tgg aaa gat gcc agc ggc tgg tgc ttt att gcc caa caa aaa agc aac	1344
Trp Lys Asp Ala Ser Gly Trp Ser Phe Ile Ala Gln Gln Lys Ser Asn	
ctc ata acc acc atg gag aac acc aag ttt ggc ggc gtc ggc acc agt	1392
Leu Ile Thr Thr Met Glu Asn Thr Lys Phe Gly Gly Val Gly Thr Ser	
ctg agc gac atc act tcc atg gct gaa ggc gaa ttg gcc gct aaa ttg	1440
Leu Ser Asp Ile Thr Ser Met Ala Glu Gly Glu Leu Ala Ala Lys Leu	
act tgc ttc atg ttt ggt cat gta gtt aac ttt gta att ata tta att	1488
Thr Ser Phe Met Phe Gly His Val Val Asn Phe Val Ile Ile Leu Ile	
gtg att tta ttt ttg tac tgt atg att aga aac cgt aat aga caa tat	1536
Val Ile Leu Phe Leu Tyr Cys Met Ile Arg Asn Arg Asn Arg Gln Tyr	
SEQ ID NO: 3 ←	
SEQ ID NO: 4 ←	
64R1/ SEQ ID NO: 2	
taa gaa ttc	1545
* Glu Phe	

FIG. 2

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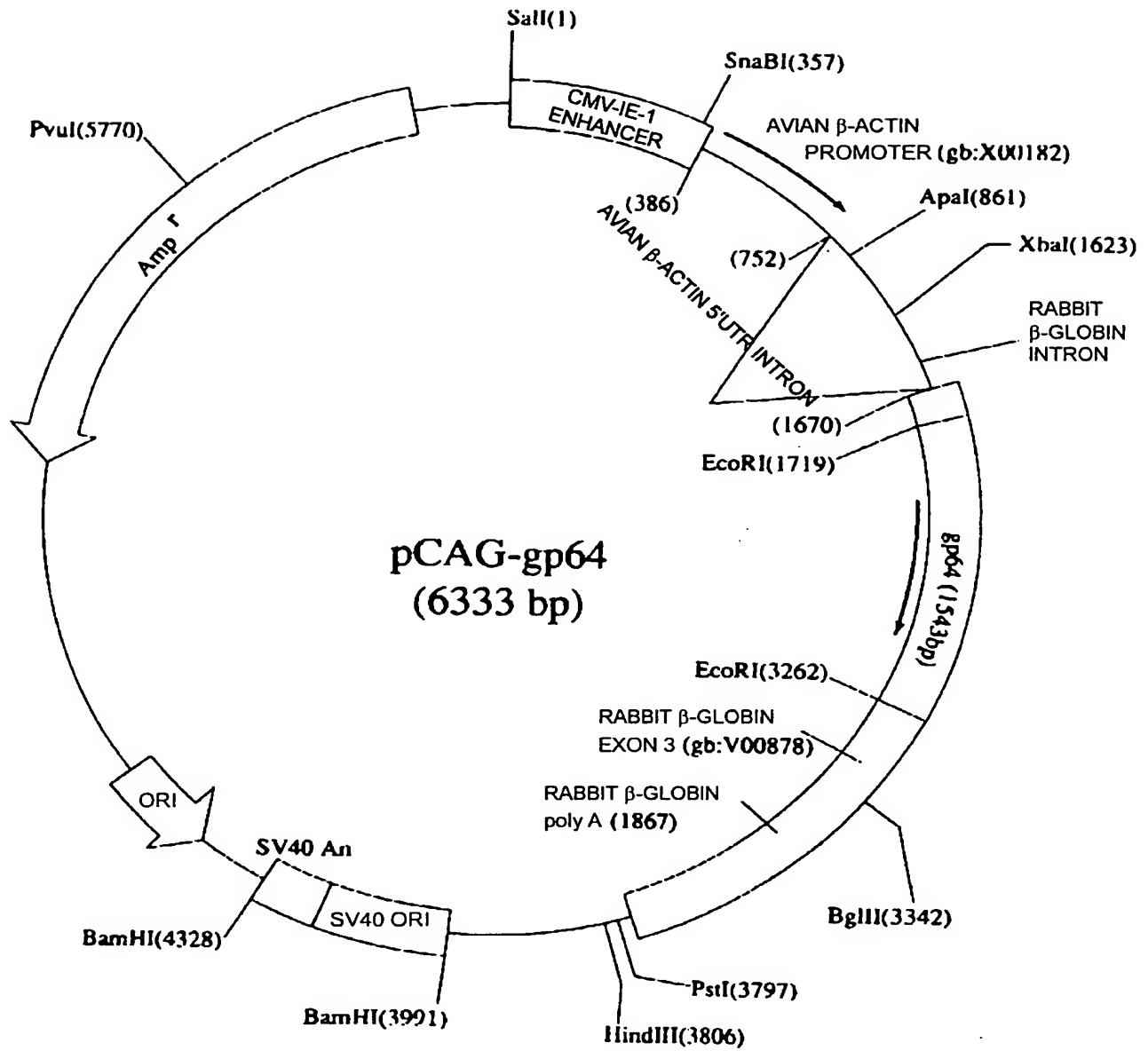


FIG. 3

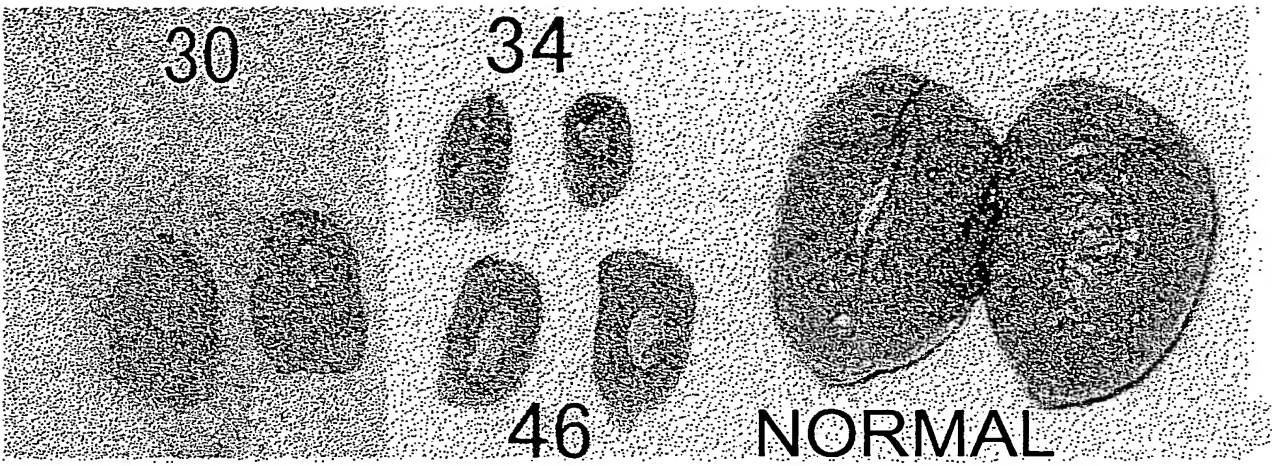


FIG. 4

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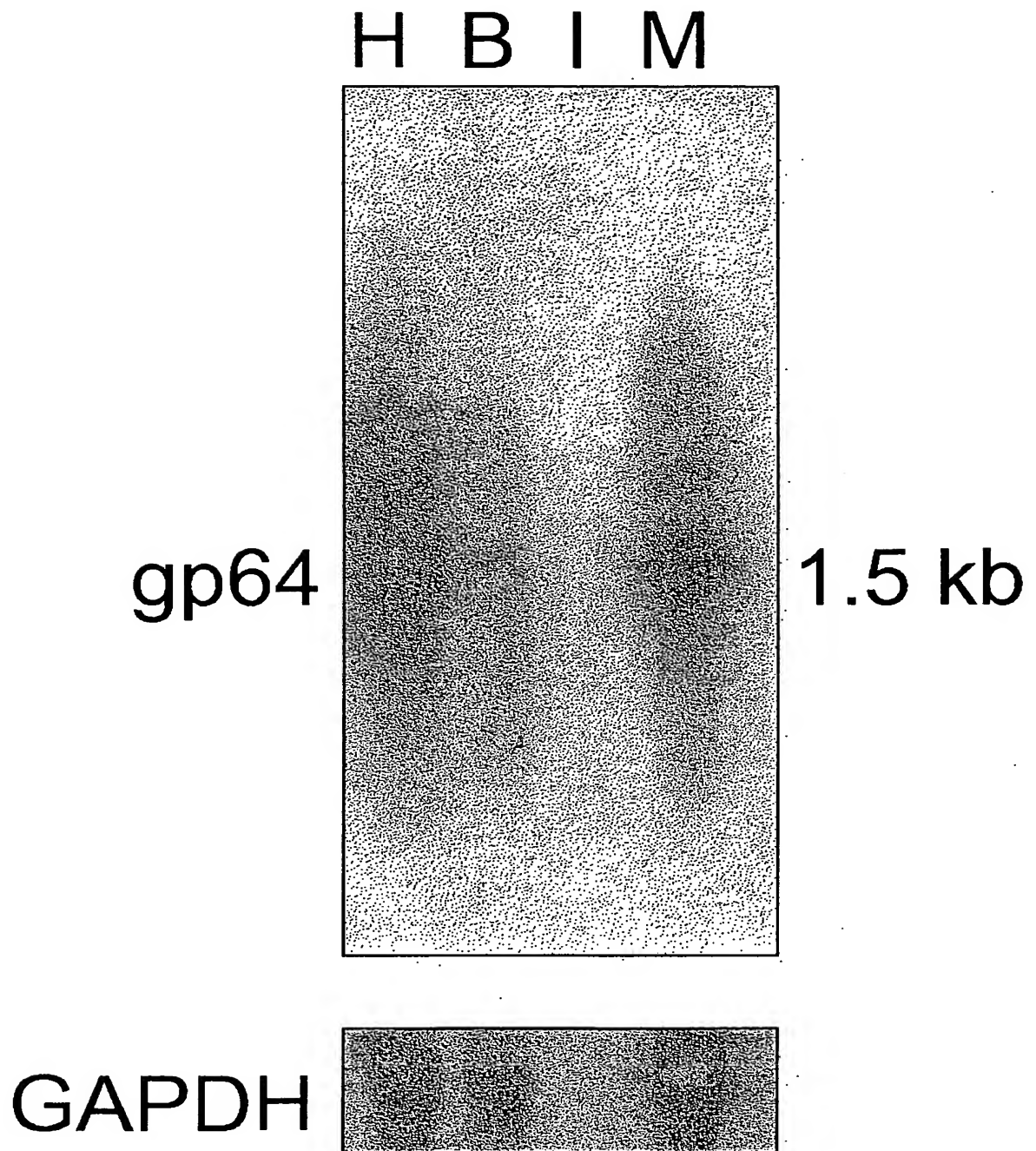


FIG. 5

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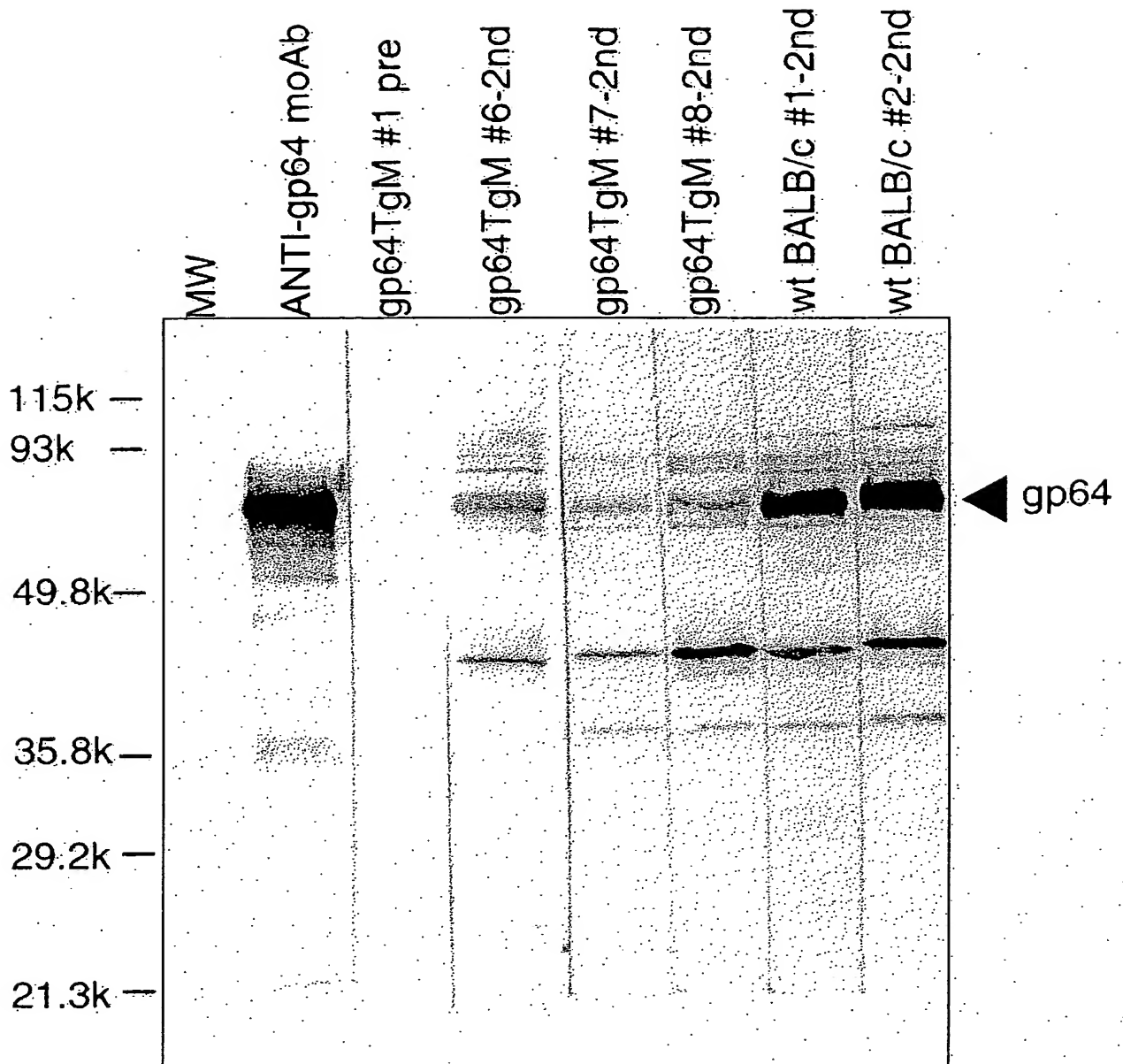


FIG. 6

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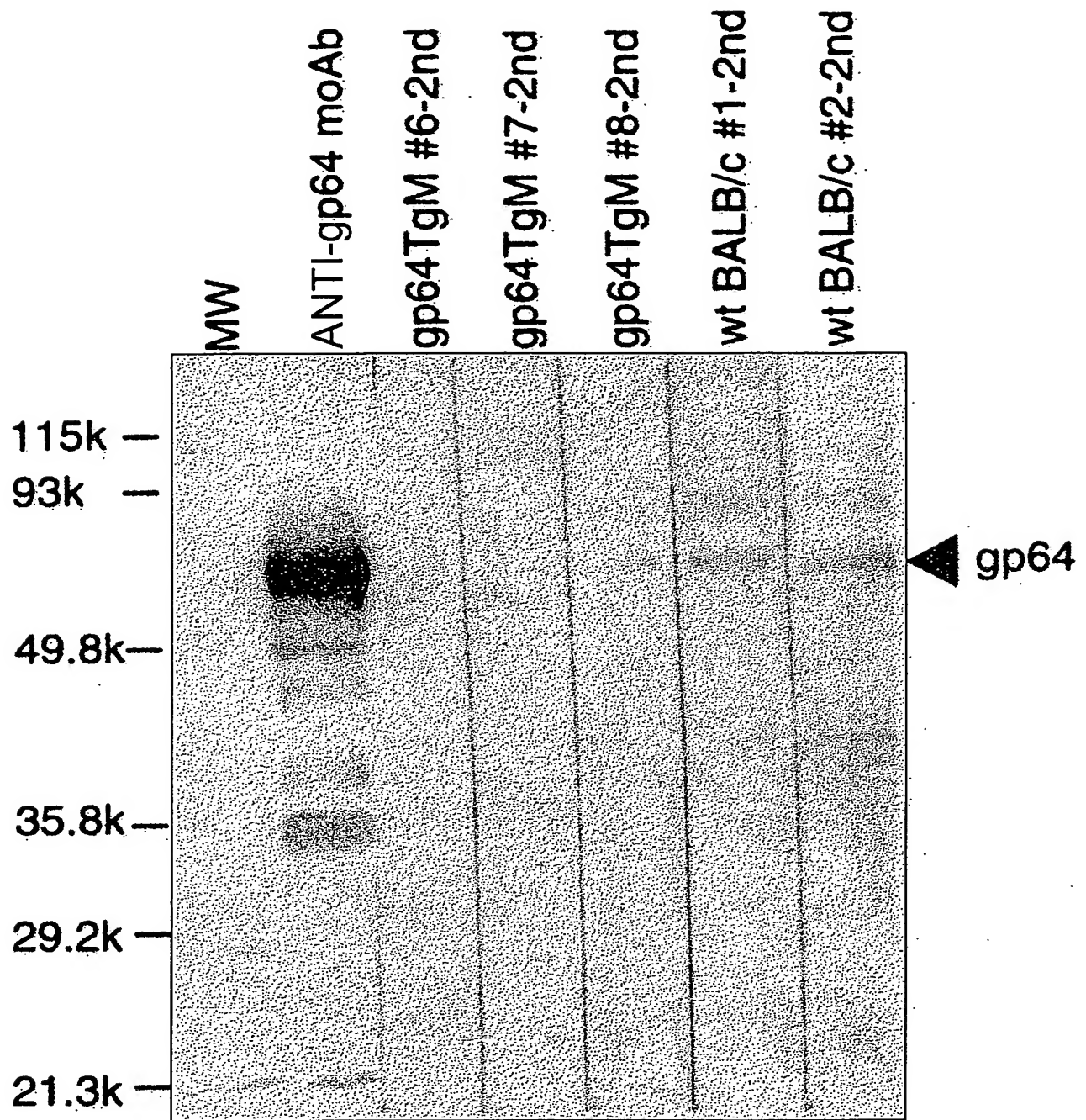
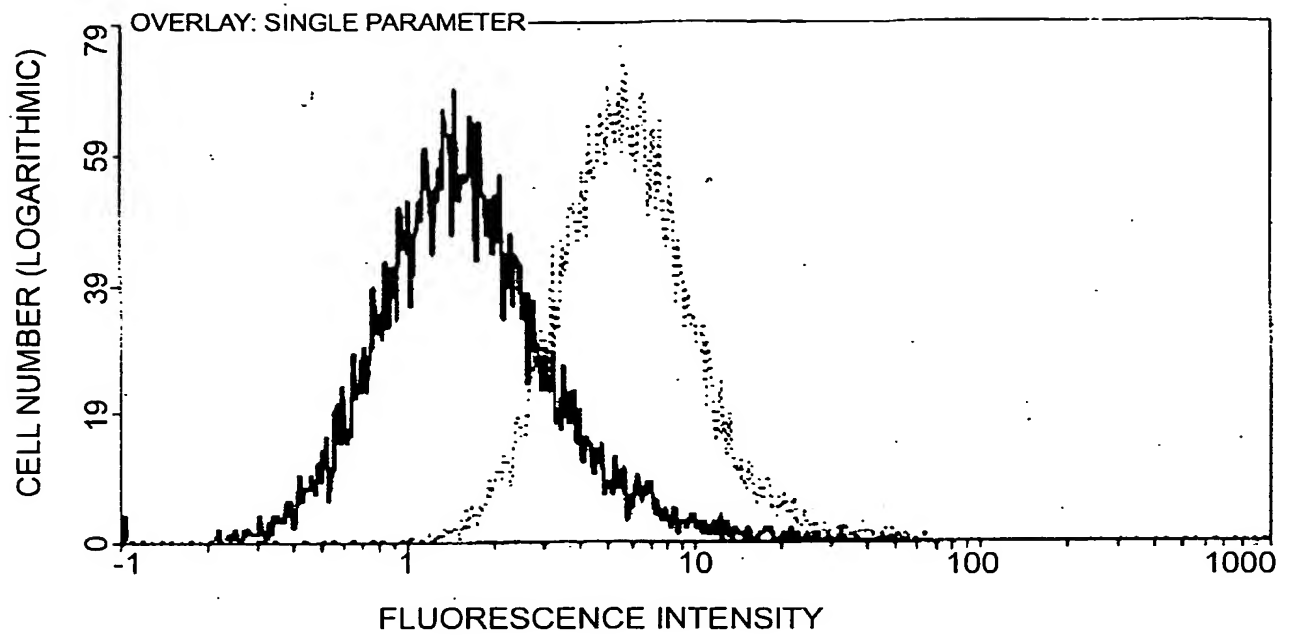


FIG. 7

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MOUSE #1



MOUSE #2

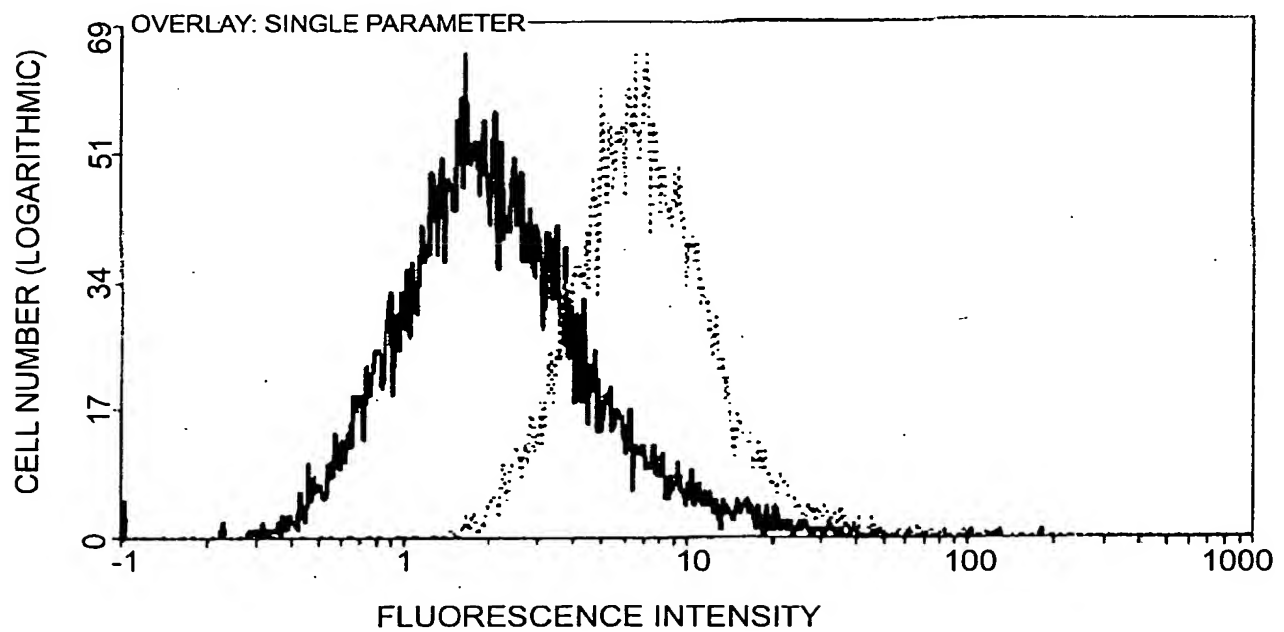
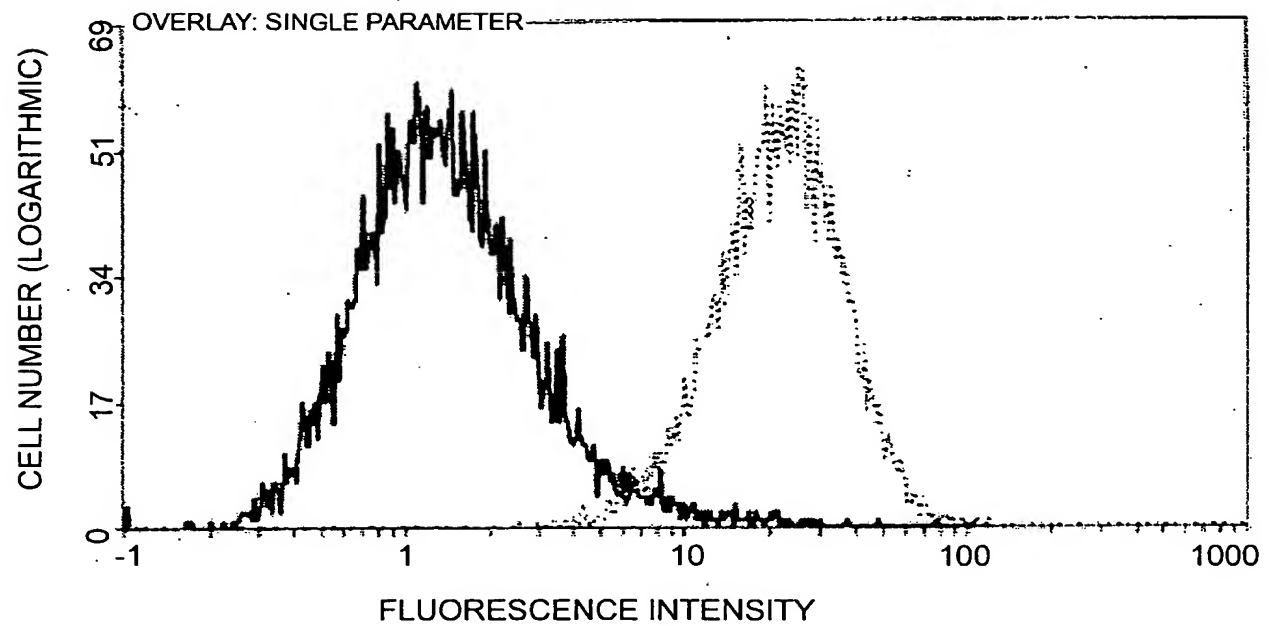


FIG. 8

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MOUSE #3



NO ANTIBODY

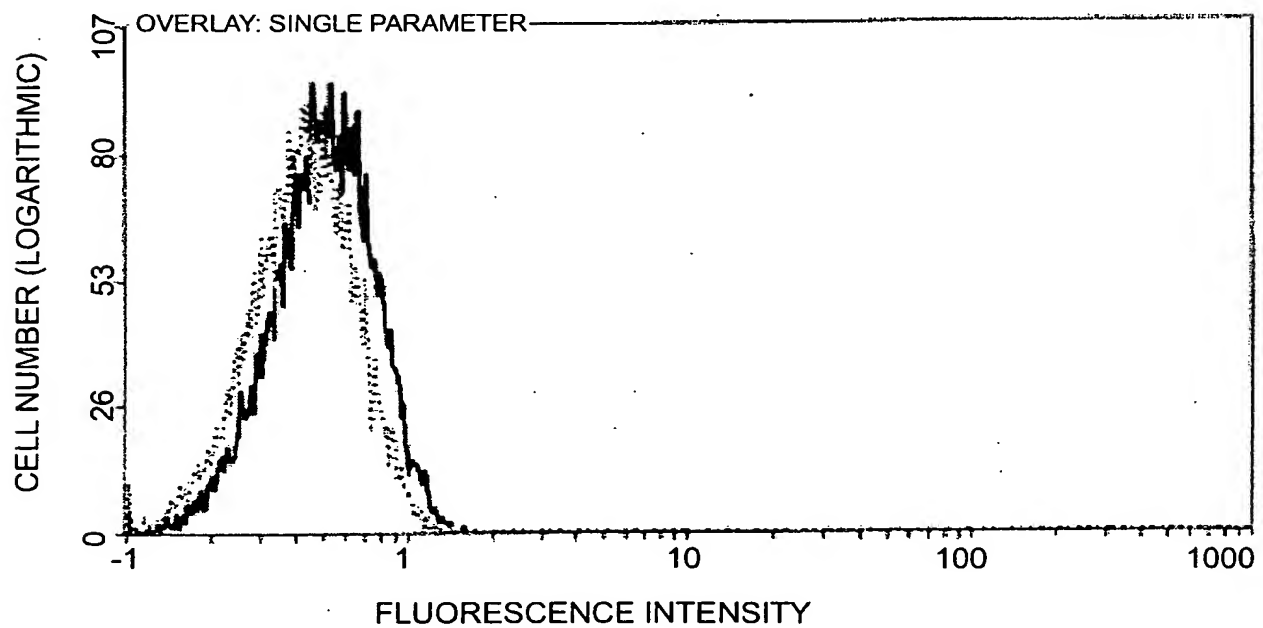


FIG. 9